User's Guide

The ASCO Catalog 5310 ATS Remote Annunciator provides remote visual status reporting and push-button testing of one ASCO automatic transfer switch.

This User's Guide provides operation information after the ATS Remote Annunciator has been installed and configured. It also includes basic troubleshooting.

Refer to **Installation Manual 381333-317** for mounting, wiring, and configuration.

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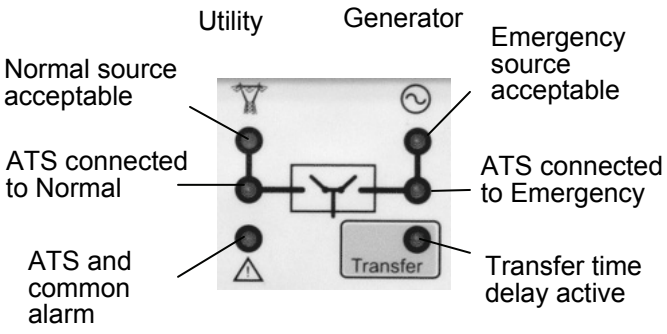

Figure 1: Status lights and Transfer button

ATS Remote Annunciator Catalog 5310

Figure 1 shows the status lights and *Transfer* button.

The *Normal source acceptable* light (upper left) is on when the ATS controller accepts the utility source. This light is off when the utility has failed.

The *Emergency source acceptable* light (upper right) is on when the ATS controller accepts the generator source. This light is off when the generator is unacceptable (low or high voltage, low or high frequency, or generator is off).

The *ATS connected to Normal* light (center left) is on when the load is being fed by the utility. It is off when it is disconnected from the utility.

The *ATS connected to Emergency* light (center right) is on when the load is being fed by the generator. It is off when it is disconnected from the generator.

The *ATS & common alarm* light (lower left) is on when an ATS or common alarm is received. It is off when the alarm is cleared. See **Alarm silence button**, page 2; **Troubleshooting**, page 4.

The *Transfer* light (lower right) is blinking when a load transfer time delay is active. It is off when there is not a load transfer time delay active. See **Flashing light (time delay)**, page 3.

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Operation

The ASCO 5310 ATS Remote Annunciator communicates with an ASCO automatic transfer switch (ATS) to report its status. The ATS Annunciator polls the ATS and obtains its status. Lights indicate if the ATS is connected to the normal source or the emergency source. Source acceptability status for the ATS is also shown. In addition, the ATS Remote Annunciator can send commands to the ATS to control its operation.

A control key switch prevents unauthorized operation. A transfer test button simulates a normal source outage and transfers the load to the emergency source, if acceptable. The same button is used to retransfer the load back to the normal source. When the button is held, any active time delay is cancelled. A lights in the button indicates if the ATS is in the test mode and if a time delay is active. See Figures 1 and 2.

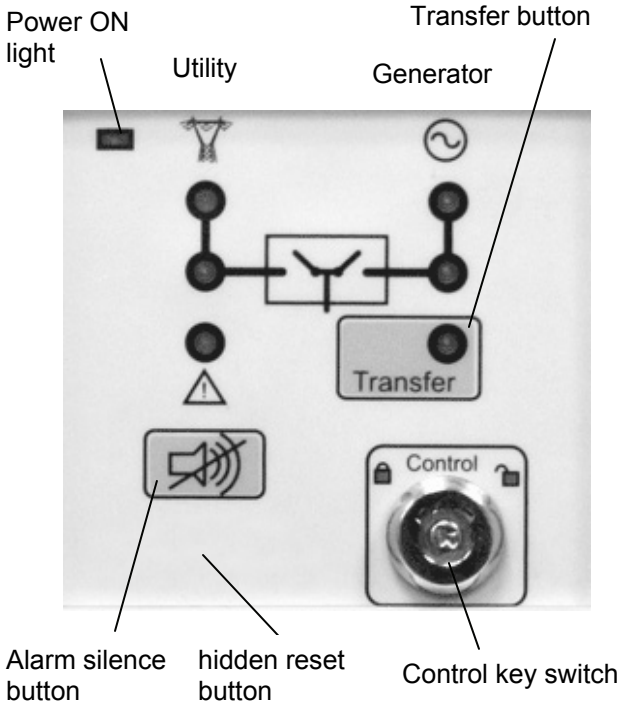


Figure 2: Control buttons

1 Control key switch

The ***Control*** key switch prevents unauthorized operation of the ATS Remote Annunciator. The key can be removed in either the locked or unlocked positions. In the locked position (left), the buttons do not operate. In the unlocked position (right) all buttons function.

2 Alarm silence button

Press and release the alarm silence button to turn off the audible alarm sound. Do not hold the button. These are the possible alarm conditions:

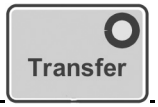
Alarm Condition	Product
communication error	185, 300, 4000, 7000
locked out	4000 & 7000
ATS position error	4000 & 7000
failure to synchronize	4000 & 7000
extended parallel	4000 & 7000
controls not in automatic	4000 & 7000
ATS bypass active	7000

Alarms can be specific to the ATS or a general (common) communications error or any configured alarm via the Power Manager.

NOTICE

Before using the transfer button, be sure conditons are safe for running the generator and for load transfer.

3 Transfer test



The following operation starts the generator and transfers the load. Be sure that conditions are safe to do this operation.

3-1 Load Transfer to Emergency source

To transfer the load from the normal source to the emergency source, follow this procedure:

1. Turn the ***Control*** key right to the unlocked position.
2. Press and release **Transfer** button (do not hold the button).
3. Observe that the generator light comes on (generator acceptable).
4. Observe that the light in the corner of the button blinks (transfer time delay active, if used).
5. Observe that the ATS connected lights change position (transfer from normal to emergency).
6. To retransfer the load back to Normal go to section 3-2.

Note:

If Feature 2B transfer to emergency time delay is used, the transfer may not occur for up to 61 minutes (depending upon the ATS and the setting in the controller).

To bypass (cancel) this time delay, press the **Transfer** button again and hold it for more than 5 seconds until you hear a beep.

3-2 Load Retransfer to Normal source

To retransfer the load from the emergency source back to the normal source, follow this procedure:

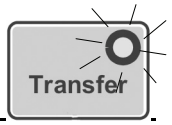
1. Turn the ***Control*** key right to the unlocked position.
2. Press and release the **Transfer** button (do not hold the button).
3. Observe that the utility light comes on (utility acceptable).
4. Observe that the light in the corner of the button blinks (retransfer time delay active, if used).
5. Observe that the ATS connected lights change position (transfer from emergency to normal).
6. Turn the ***Control*** key left to the locked position, then remove it.

Note:

If Feature 3A retransfer to normal time delay is used, the transfer may not occur for up to 61minutes (depending upon the ATS and the setting in the ATS controller).

To bypass (cancel) this time delay, press the **Transfer** button again and hold it for more than 5 seconds.

4 Flashing light (time delay)



The light in the **Transfer** button flashes when a transfer time delay is active. The faster the blinking, the shorter the delay:

1/10 sec. blink	0 to 5 second transfer delay
1/4 sec. blink	5 to 15 second transfer delay
1/2 sec. blink	15 to 60 second transfer delay
1 sec. blink	over 1 minute transfer delay

5 Reset button

A hidden reset button is located just below the ***Alarm Silence*** button (see Figure 1). The ***Control*** key switch must be unlocked. The reset button and alarm silence button work together as follows:

5-1 Soft reboot reset (keeps user's configurations)

The soft reboot retains the configurations that you have made. To perform a soft reboot, press and hold the hidden reset button and the alarm silence button together for less than 3 seconds. The configuration parameters remain unchanged.

5-2 Hard reboot reset (factory default configuration)

The hard reboot resets all user configuration parameters to factory default settings. The configurations that you have made will be erased. To perform a hard reboot, press and hold the hidden reset button and the alarm silence button together for more than 15 seconds. The default configuration parameters are:

IP Address	169.254.1.200
Subnet	255.255.255.0
Gateway	

Other factory default parameters could be checked through Ethernet interface with computer.

Troubleshooting

Number	Symptom	Probable Cause	Recommended Action
1	Power ON light is off	The DC or AC power source is inadequate or off.	Restore the DC or AC power supply. Check the terminals, fuse, circuit breaker.
2	The power ON light is blinking.	The unit keeps on resetting due to watchdog-reset possibly due to corruption of software.	Refer to Installation Manual 381333-317. Try to reprogram the unit with the latest software.
			Contact ASCO Services for replacement. 800-800-ASCO or customercare@asco.com
3	***Transfer*** button does not work (load transfer does not occur).	Button not held long enough.	Hold the button for at least 5 seconds until you hear a beep.
		ATS Annunciator could have changed to default settings.	Refer to Installation Manual 381333-317. Use the configuration details entered on page 2; reconfigure the ATS Annunciator.
4	Buzzer is beeping continuously.	Communication with the Power Manager may have stopped.	Refer to Installation Manual 381333-317. Check the Ethernet connections: ATS Annunciator to the LAN and Power Manager to the LAN.
5	Communication alarm occurs but all configurations are correct.	Communication protocol may not the same as that of the Power Manager (if present).	Refer to Installation Manual 381333-317. Verify that the protocol on both devices is the same.
6	A light does not come on when a corresponding button is pressed.	ATS Annunciator is not functioning properly.	Contact ASCO Services for replacement. 800-800-ASCO or customercare@asco.com